



# CONSTRUCTION EQUIPMENT

702594 RENTAL VOLVO A30 753398 - DIESEL ENGINE



**Sample No:** VCP449612  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 702594 RENTAL



## SAMPLE INFORMATION

Sample Number	VCP449612	---	---	---
Sample Date	19 Apr 2024	---	---	---
Machine Hours	1160	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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## OIL CONDITION

Visc @ 100°C	cSt	█ 12.6	---	---	---
Base Number (BN)	mg KOH/g	█ 8.9	---	---	---
Oxidation (PA)	%	75	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	61	---	---	---
Sulfation (PA)	%	62	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	▲ 129	---	---	---
Potassium	ppm	▲ 33	---	---	---

## Diagnosis

We advise that you check for the source of the coolant leak. Check for low coolant level. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The copper level is abnormal. All other component wear rates are normal. Sodium and/or potassium levels are high. The BN result indicates that there is suitable alkalinity remaining in the oil.



## WEAR METALS

Iron	ppm	█ 10	---	---	---
Copper	ppm	▲ 33	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 46	---	---	---
Nickel	ppm	█ 8	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 1822	---	---	---
Magnesium	ppm	█ 518	---	---	---
Zinc	ppm	█ 1285	---	---	---
Phosphorus	ppm	█ 1075	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 21	---	---	---

**Depot:** VOLVO0090  
**Unique No:** 10994112  
**Signed:** Jonathan Hester  
**Report Date:** 26 Apr 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

